California MLPA Master Plan Science Advisory Team Levels of Protection for the MLPA North Coast Study Region

Revised December 17, 2009; Corrected January 21, 2010

The table below identifies potential activities and corresponding levels of protection (LOPs) as assigned by the MLPA Master Plan Science Advisory Team for the MLPA North Coast Study Region and approved December 17, 2009.

Level of Protection	MPA Types	Activities Associated with this Protection Level
Very high	SMR	No take
High	SMCA SMP	Salmon (H&L or troll in waters >50m depth); coastal pelagic finfish ¹ (H&L);
Moderate- high	SMCA SMP	Dungeness crab (trap, hoop-net, diving); salmon (troll in water <50m depth);
Moderate	SMCA SMP	smelts (H&L, hand net); redtail surfperch (H&L from shore); California halibut (H&L); coonstripe shrimp and spot prawn (trap); clams (intertidal hand harvest); turf algae ² (intertidal hand harvest);
Moderate- low	SMCA SMP	Pacific halibut (H&L); lingcod, cabezon, and rockfishes, and greenlings (H&L, spearfishing); red abalone (free-diving);
Low	SMCA SMP	Rock scallop (diving); mussels (hand harvest); bull kelp (hand harvest); ghost shrimp (hand harvest); sea palm (intertidal hand harvest); canopy-forming algae ³ (intertidal hand harvest)

SMR = state marine reserve

SMCA = state marine conservation area

SMP = state marine park

H&L = hook and line

m = meters

- 1 The grouping "coastal pelagic finfish" includes: Northern anchovy (Engraulis mordax), Pacific herring (Clupea pallasi), jack mackerel (Trachurus symmetricus), Pacific mackerel (Scomber japonicus), and Pacific sardine (Sardinops sagax).
- 2 The grouping "turf algae" includes the following harvested groups: Porphyra spp. (Nori, Laver), Ulva spp. (Sea Lettuce), Chondrocanthus/Gigartina exasperata (Turkish Towel), and Mastocarpus spp. (Mendocino Grapestone).
- 3 The grouping "canopy-forming algae" includes the following harvested groups: Alaria spp. (Wakame), Lessonioposis littoralis (Ocean Ribbons), Laminaria spp. (Kombu), Saccharina/Hedophyllum sessile ('Sweet' Kombu), Egregia menzeisii (Feather Boa), and Fucus spp. (Bladder wrack or Rockweed).

Correction made January 21, 2010: Smelts in the "Moderate" category should include both H&L and hand net.